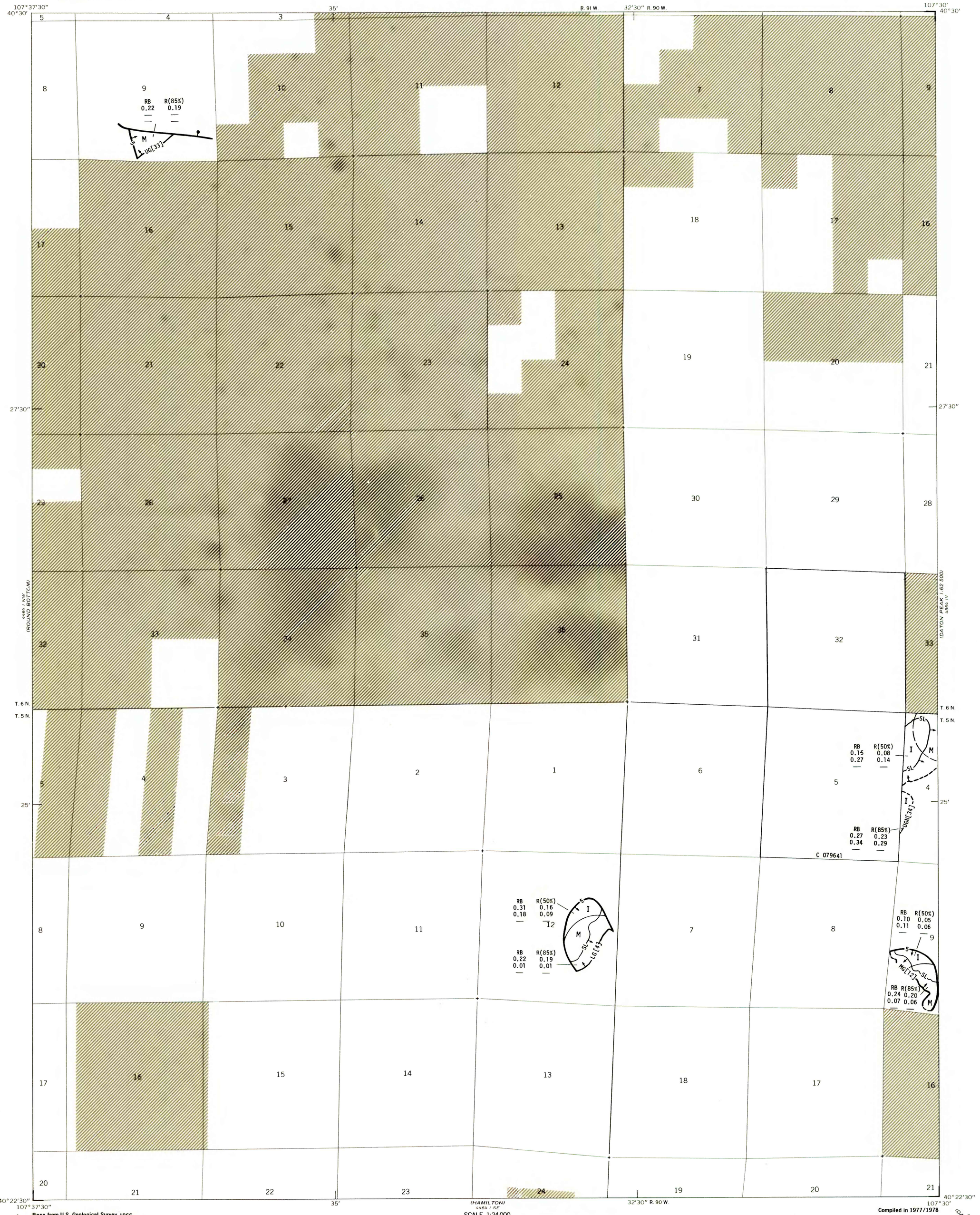
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CASTOR GULCH QUADRANGLE
COLORADO–MOFFAT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 MONUMENT BUTTE 15' QUADRANGLE



Base from U.S. Geological Survey, 1966

Compiled in 1977/1978

SCALE 1:24 000

1 MILE
7000 FEET
1 KILOMETER

UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

EXPLANATION

NON-FEDERAL COAL LAND - Land for which the Federal Government does not own the coal rights.

C 079641

AREA OF COAL LEASE ON FEDERAL LAND - Showing coal lease number.

5

ISOPACH - Showing thickness of coal, in feet. Arrow points toward area where coal bed is 5 feet or more thick.

UG[33] - Upper Coal Group, coal bed [33]
UGN[34] - Upper Coal Group, zone N, coal bed [34]
MG[12] - Middle Coal Group, coal bed [12]
LG[4] - Lower Coal Group, coal bed [4]

COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle only.

LG[4]

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Arrow points toward coal-bearing area. Dashed where inferred; short dashed where inferred by present authors.

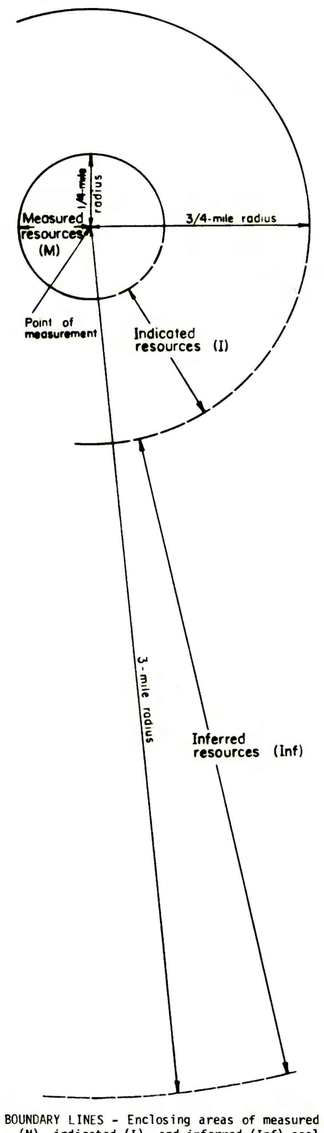
TRACE OF FAULT - Bar and ball on downthrown side when direction of movement is known.

SL

STRIPPING-LIMIT LINE - Boundary for surface mining (in this quadrangle, the 200-foot-overburden isopach). Arrow points toward the area suitable for surface mining where the recovery factor is 85 percent, and away from the area suitable for subsurface mining (down dip to the 3,000-foot-overburden isopach) where the recovery factor is 50 percent.

RB	R(85%)	RB	R(50%)	
0.27	0.23	0.15	0.08	(Measured)
0.34	0.29	0.27	0.14	(Indicated)
—	—	—	—	(Inferred)

IDENTIFIED COAL RESOURCES - Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part of section of non-leased Federal coal land, both within and beyond the stripping-limit line. Reserve (R) tonnage is calculated by multiplying the Reserve Base (RB) tonnage by the appropriate recovery factor. Dash indicates no resource in that category.



BOUNDARY LINES - Enclosing areas of measured (M), indicated (I), and inferred (Inf) coal resources. Dashed where projected from adjacent quadrangles.

To convert feet to meters, multiply feet by 0.3048.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert miles to kilometers, multiply miles by 1.609.

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

COAL RESOURCE OCCURRENCE MAP OF THE CASTOR GULCH QUADRANGLE, MOFFAT COUNTY, COLORADO

BY
DAMES & MOORE
1979

PLATE 6B

AREAL DISTRIBUTION AND IDENTIFIED RESOURCES MAPS OF THE LOWER, MIDDLE AND UPPER COAL GROUP COAL BEDS